



Dart Hawkesbury  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

# PURCHASE ORDER

## PO038086

**Supplier:** TEM001-VC  
Tempo Aerospace Inc.  
205 Fenmar Dr.  
Toronto  
ON  
M9L 2X4 Canada  
Phone: 416 746 2233  
Fax: 416 746 2235

**Ship To:** 1270 Aberdeen Street  
Hawkesbury  
ON  
K6A 1K7 Canada  
Phone: 613-632-5200

**PO No:** PO038086

**PO Date:** 10/19/17

**Due Date:** 10/25/17

OCT 19 2017

**Purchase Order  
Revision:**

**Revision Date:**

**Ship-To Contact:** Lavoie, Chantal  
clavoie@dartaero.com

**Via:** Ground

**Pymt Terms:** COD

**Freight Terms:**

**Special Comments:**

### Items

Line Item	Part	Rev	Supplier Part No	Item No	Description	Item Tax	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1				4500-P-40B	Grey Epoxy Primer		Firmed	10/25/17	12 Ea	0 Ea	12 Ea	\$42.12/Ea	\$505.44
Line Item Note: ANDY													
2				4500-P-23Y	Yellow Primer		Firmed	10/25/17	8 Ea	0 Ea	8 Ea	\$133.91/Ea	\$1,071.28
Line Item Note: ANDY													
												Grand Total: \$1,576.72	

### Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 10/19/17 12:52 PM dart.lavoie.chantal

SPA-10-30



# Tempo Aerospace Inc.

205 Fenmar Drive  
Toronto ON M9L 2X4 Canada  
Phone: 416.746.2233 Fax: 416.746.2235  
orderdesk@tempo-aerospace.com

# Packing Slip



Print Date : Oct-23-2017 11:03 AM

Printed By : 045A Print No. : 2

No. 40480

Pg:1/2




Ship To : [1]

Dart Aerospace Ltd.  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Canada

For : Account No. [DARTAS]

Dart Aerospace Ltd.  
Attn: Chantal Lavoie, Buyer  
1270 Aberdeen Street  
Hawkesbury, ON K6A 1K7  
Canada  
Tel. : (613) 632-9577  
Fax : (613) 632-1053

S.O. No. : 20676	Our Ref :	Domestic AWB :
Cust P.O. : 038086	Your Ref :	Int'l AWB :
Picked On : Oct-23-2017	Trans Mode : GROUND	Origin :
Shipped On : Oct-23-2017	Req. Docs : CC, TR	Transport :
Ship Via : PUROLATOR GROUND	Lic No. :	Nationality :
Incoterms : EX-WORKS	Expires :	Trip/Flight :
Terms : NET 30		
Ship Via Acct. : PUROLATOR GROUND Account No. 7 684 382		
Our Contact : Lena Ramnarine		

Line	P/N & Description	Ordered	Qty Shipped	Back Order	Packaging
2	4500-PB-40B-BQ BASE: Grey (FS16473) Epoxy Primer UID: 22403  Batch #: 20486 LINE WEIGHT: [KG] 14.880 LINE VOLUME: [ML] 11,364.000	12	12 QC	0	
3	4500-C-40-Q HARDENER: Epoxy UID: 22224  Batch #: 20426 LINE WEIGHT: [KG] 9.720 LINE VOLUME: [ML] 11,364.000	12	12 QC	0	
5	4500-PB-23Y-BG BASE: Yellow Epoxy Primer UID: 22582  Batch #: 20640 LINE WEIGHT: [KG] 44.560 LINE VOLUME: [ML] 30,288.000	8	8 GC	0	
6	4500-C-23 HARDENER: Epoxy	8	8 GC	0	

SP 17-10-30



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# Packing Slip



Pick Ticket No. 40480 Page :2/2

Trans Mode : GROUND  
Req. Docs : CC, TR

Line	P/N & Description	Ordered	Qty Shipped	Back Order	Packaging
	UID: 22138  Batch #: 20339 LINE WEIGHT: [KG] 26.400 LINE VOLUME: [ML] 30,288.000  STATEMENT OF CONFORMITY: Tempo certifies that the whole of the material listed above have been inspected and tested and conforms to the drawings and/or specifications listed on the Certificate of Conformance.  For a DANGEROUS GOODS EMERGENCY, call Canutec at the 24 hours number (613) 996-6666 / Pour une MARCHANDISES DANGEREUSES URGENCE, appeler Canutec au nombre de 24 heures (613) 996-6666				
Box No.	Box(es) Type / Description Dimension Type [CM]	Gross Weight [KG]	Net Weight [KG]		Box(es) ID
1	6X1 QT Brown Double Wall Box L 13.500 x W 9.000 x H 5.500	0.000	0.000		a
2	6X1 QT Brown Double Wall Box L 13.500 x W 9.000 x H 5.500	0.000	0.000		b
3	6X1 QT Brown Double Wall Box L 13.500 x W 9.000 x H 5.500	0.000	0.000		c
4	6X1 QT Brown Double Wall Box L 13.500 x W 9.000 x H 5.500	0.000	0.000		d
5	4X1 Double Walled Brown Box L 14.750 x W 14.500 x H 8.250	0.000	0.000		e
6	4X1 Double Walled Brown Box L 14.750 x W 14.500 x H 8.250	0.000	0.000		f
7	4X1 Double Walled Brown Box L 14.750 x W 14.500 x H 8.250	0.000	0.000		g
8	4X1 Double Walled Brown Box L 14.750 x W 14.500 x H 8.250	0.000	0.000		h

TEMPO  
002A  
Picked

By :

Lorna Buffett: OFFICE-MANAGER

SP 10-30



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205 Fenmar Drive  
Toronto ON M9L 2X4 Canada  
Phone: 416.746.2233 Fax: 416.746.2235  
orderdesk@tempo-aerospace.com

## Certificate Of Conformance



<b>Your P.O.: 038086</b>	<b>No. : 40480</b>	Pg:1/2
<b>Sold To : Account No. [DARTAS]</b> Dart Aerospace Ltd. Attn: Chantal Lavoie, Buyer 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Canada Tel. : (613) 632-9577 Fax : (613) 632-1053	<b>Shipped To :</b> Dart Aerospace Ltd. 1270 Aberdeen Street Hawkesbury, ON K6A 1K7 Canada Tel. : 613.632.3336 Fax : 613.632.4443	

Line	P/N & Description	Qty Ordered	Shipped	Unit Sell Price	Amount
1	4500-P-40B-Q Grey (FS16473) Epoxy Primer Spec1: DHMS C4.01 Ty.3 Gr.A Is.N Am.3	12 KT	12 (Qty. Back 0)		
2	4500-PB-40B-BQ BASE: Grey (FS16473) Epoxy Primer Batch #: 20486 Cat Batch#: 20426 MFG: TEMPO AEROSPACE INC Mfg Date: Jun-19-2017 Shelf Life Expiration: Jun-19-2019 LINE WEIGHT: [KG] 14.880 LINE VOLUME: [ML] 11,364.000	12 QC	12 (Qty. Back 0)		
3	4500-C-40-Q HARDENER: Epoxy Batch #: 20426 MFG: TEMPO AEROSPACE INC Mfg Date: May-26-2017 Shelf Life Expiration: May-26-2019 LINE WEIGHT: [KG] 9.720 LINE VOLUME: [ML] 11,364.000	12 QC	12 (Qty. Back 0)		
4	4500-P-23Y Yellow Epoxy Primer Spec1: BAMS 565-001 RvD GrA Cat1 Ty1 MFG: TEMPO AEROSPACE INC Same bases different catalyst	8 KT	8 (Qty. Back 0)		
5	4500-PB-23Y-BG BASE: Yellow Epoxy Primer Batch #: 20640 Cat Batch#: 20655 MFG: TEMPO AEROSPACE INC	8 GC	8 (Qty. Back 0)		

### STATEMENT OF CONFORMITY:

I certify that the whole of the material listed above has been inspected and tested and conforms to the drawings and/or specifications quoted on, or referenced by your Purchase Order.

### Abbreviations:

FS = Federal Standard 595C

Continued on next page...



## Tempo Aerospace Inc.

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Toronto ON M9L 2X4 Canada  
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orderdesk@tempo-aerospace.com

## Certificate Of Conformance



Pick Ticket No. 40480 Page:2/2

Trans Mode : GROUND  
Req. Docs : CC, TR

Line	P/N & Description	Qty Ordered	Shipped	Unit Sell Price	Amount
6	Mfg Date: Jul-13-2017 Shelf Life Expiration: Jul-13-2019 LINE WEIGHT: [KG] 44.560 LINE VOLUME: [ML] 30,288.000 4500-C-23 HARDENER: Epoxy Batch #: 20339 MFG: TEMPO AEROSPACE INC Mfg Date: May-15-2017 Shelf Life Expiration: Jun-14-2019 LINE WEIGHT: [KG] 26.400 LINE VOLUME: [ML] 30,288.000	8 GC	8 (Qty. Back 0)		

### STATEMENT OF CONFORMITY:

I certify that the whole of the material listed above has been inspected and tested and conforms to the drawings and/or specifications quoted on, or referenced by your Purchase Order.

### Abbreviations:

FS = Federal Standard 595C



Zuneera Zaheer, Chemist, QA Manager



# Test Report

23/10/2017

Sales Order: 20676

Packing Slip: 40480

Customer: Dart Aerospace Ltd.  
Account No.: DARTAS

Customer PO: 038086

Kit Code: 4500-P-40B-Q

QSHIP 12 KT

Grey (FS16473) Epoxy Primer

DHMS C4.01 Ty.3 Gr.A ls.N Am.3

BOM Part: 4500-PB-40B-BQ

Batch:20486

QSHIP 12 QC

BASE: Grey (FS16473) Epoxy Primer

Spec Ref. / Tempo  
Method

Batch No.: 20486

DOM: June 2017

3.1.3	Condition in container	Pass/Fail Value	Result: Passed
Method M-L-AC-03-b	The base component shall be free from lumps, skins, grit and coarse particles and shall show no more settling or caking than can be easily dispersed with a paddle to a smooth, homogeneous condition.		
3.1.5	Non volatile content	Numeric Value	Result: 61.04 Passed Range: 59.48 to 61.90
Method M-L-AC-12	The non-volatile content of the base and catalyst component shall be tested per ASTM D2369.		
3.2.3	Viscosity	Alphanumeric Value	Result: PASS Passed Target: >=11 seconds
Method M-L-AC-17	The viscosity of the mixed enamel, determined 30 minutes after mixing when tested according to ASTM D1200, shall be such that the enamel can be sprayed with or without the addition of a thinner. The required spraying viscosity shall be not less than 11 seconds in a #4 Ford cup (18 seconds in a #2 Zahn cup).		
3.2.5	Pot Life	Pass/Fail Value	Result: Passed
Method M-L-AC-14	A sample of catalysed material, reduced if necessary, shall show no lumping, gelling or separation after being stored in a closed container for 8 hours for Grade A at 16 to 30°C, and shall meet all the requirements of this specification.		
3.2.1	Drying Time	Pass/Fail Value	Result: Passed
Method M-L-AC-4	The fluid resistant primer shall have drying characteristics under ambient drying conditions (16 to 30°C and 30 to 80% relative humidity) as specified in Table 1.  Grade A Drying times  Dry to touch 10 minutes max Dust Free 15 minutes max Tack Free < 45 minutes max  Dry Through 2 hours max Recoatable < 90 minutes max  The primer shall also be capable of being force cured at temperatures up to 200°F		
3.3.3	Surface Appearance	Pass/Fail Value	Result: Passed
Method M-L-AC-16	The dried film shall be free from grit, seeds, craters, blisters or any other surface irregularities		
3.3.5	Gloss	Numeric Value	Result: 5.00 Passed Range: 5.00 to 15.00
Method M-L-AC-8	The specular gloss, measured according to ASTM D523, 48 hours after application shall be between 5-15 units.		
3.3.6	Flexibility	Pass/Fail Value	Result: Passed
Method M-L-AC-6	The primer shall exhibit no cracking, crazing or loss of adhesion when bent over a 0.25 inch mandrel.  Three test panels B per Table 3 shall be tested according to ASTM D522 Method B.		
3.3.7	Low temperature Flexibility	Pass/Fail Value	Result: Passed
Method M-L-AC-11	The primer shall exhibit no cracking, crazing or loss of adhesion. Three test panels B per Table 3 shall be tested according to Para. 5.2.		
3.3.8	Hardness	Alphanumeric Value	Result: PASS Passed Target: >=2H
Method M-L-AC-9	The primer shall have a pencil hardness of 2H minimum.  Two test panels B per Table 3 shall be tested according to ASTM D3363.		
3.3.10	Fluid resistance	Alphanumeric Value	Result: PASS Passed Target: 5B
Method M-L-AC-7	When immersed in the fluids per Table 2, the cured primer shall show no blistering, loss of adhesion or other deleterious effects after the specified immersion time.   Three test panels B and three test panels C per Table 3 shall be tested for each fluid per ASTM D3359 Method B within 30 minutes from removal from the test fluid.  After a recovery period of 24 hours, the primer shall have regained its pretest hardness.		



For Chemist  
Tempo Aerospace Inc.

PT: 40480

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C:\Users\cshivnarain\Desktop\IP2 Test Report R26- PT - All Line Types - V6-3BETA.rpt

Customer: Dart Aerospace Ltd.  
Account No.: DARTAS

Customer PO: 038086

Spec Ref. / Tempo  
Method

Batch No.: 20486

DOM: June 2017

3.3.13

**Impact resistance**

Method M-L-AC-10

The primer shall not exhibit flaking or cracking when subjected to 40 in-lbs. impact from direct and 30 in-lbs from reverse sides. Three test panels B per Table 3 shall be tested per ASTM D2794.

Pass/Fail  
Value

**Result:** Passed

BOM Part: **4500-C-40-Q**

Batch: 20426

QSHIP 12 QC

**HARDENER: Epoxy**

Spec Ref. / Tempo  
Method

Batch No.: 20426

DOM: May 2017

3.1.3

**Condition in container**

Method M-L-AC-03-c

The catalyst component shall be clear and clean.

Pass/Fail  
Value

**Result:** Passed

3.1.5

**Non volatile content**

Method M-L-AC-12

The non-volatile content of the base and catalyst component shall be tested per ASTM D2369.

Numeric Value

**Result:** 11.33 Passed  
**Range:** 11.02 to 11.48

Kit Code: **4500-P-23Y**

QSHIP 8 KT

**Yellow Epoxy Primer**

**BAMS 565-001 RvD GrA Cat1 Ty1**

BOM Part: **4500-PB-23Y-BG**

Batch: 20640

QSHIP 8 GC

**BASE: Yellow Epoxy Primer**

Spec Ref. / Tempo  
Method

Batch No.: 20640

DOM: July 2017

7.2.4

**Condition in container**

Method M-L-AA-3-b

When tested according to FTMS 141 Method 3011, the base component and the hardener shall be free of skins, gelling and foreign contamination, and shall be capable of being mixed into a homogeneous material. The component containing the pigments shall show no caking or separation of the pigments.

Pass/Fail  
Value

**Result:** Passed

7.2.6

**Non volatile content**

Method M-L-AA-12

When tested in accordance with ASTM D2369, the non-volatile content for the base component shall not vary more than  $\pm 2$  percent from the value established by the supplier on the qualification report.  
When tested according per ASTM D1353, the thinner, solvent, or reducer shall not have more than 25 mg of non-volatile content per 100 ml.

Numeric Value

**Result:** 72.73 Passed  
**Range:** 70.99 to 73.89

7.2.7

**Weight per gallon**

Method M-L-AA-18

When tested according to ASTM D1475, the weight per gallon of the base component and the hardener shall not vary more than  $\pm 0.20$  lbs/gal from the value established by the supplier in the qualification report.

Numeric Value

**Result:** 12.24 Passed  
**Range:** 12.08 to 12.48

7.3.2

**Viscosity**

Method M-L-AA-17

When mixed in the ratio specified by the manufacturer, and after the induction time specified by the manufacturer, the mixed material shall have the following viscosity:  
(a) Grade A 14 to 23 seconds when measured with a Gardco EZ Zahn cup No. 2

Numeric Value

**Result:** 22.00 Passed  
**Range:** 14.00 to 23.00

7.3.1

**Pot Life**

Method M-L-AA-14

When tested in accordance with 7.4.3.1, a one-quart sample of mixed material shall show no signs of lumping, seeding or separation, and shall be capable of meeting the requirements of each test specified in Section 7.4.3.1.

Numeric Value

**Result:** 28.00 Passed  
**Range:** 14.00 to 28.00

7.3.3

**Spraying properties**

Method M-L-AA-15

When tested in accordance with FTMS 141 Method 4331, and after the induction time specified by the manufacturer, the mixed material shall exhibit satisfactory spraying characteristics and leveling properties. The primer shall show no sags, runs or streaks, and shall cure to a hard, smooth finish, free from seeds, blisters, blushing or other surface irregularities

Pass/Fail  
Value

**Result:** Passed

7.3.4

**Colour**

Method M-L-AA-2

When viewed in a MacBeth Daylight Booth, Illuminate C (or equivalent), the colour of the cured primer at a dry film thickness of 1.0 to 1.5 mils shall match BAC 452 green or BAC 377 yellow as specified in the Purchase Order. This colour requirement does not apply for water-based primer.

Alphanumeric  
Value

**Result:** PASS Passed  
**Target:** BAC 377 yellow

7.3.6

**Gloss**

Method M-L-AA-8

The material shall be available as lusterless. When applied per Section 7.4.2 and tested per ASTM D523 and at a dry film thickness of 1.5 - 2.0 mils the 60 degree specular gloss of the cured primer shall be 6 maximum for Grade A. For Grade B, a maximum gloss level of 20 is acceptable.

Numeric Value

**Result:** 3.50 Passed  
**Range:** 0.00 to 6.00

*Thank you for choosing Tempo Aerospace!*

PT: 40480

Page 2 of 3

Customer: Dart Aerospace Ltd.  
Account No.: DARTAS

Customer PO: 038086

Spec Ref. / Tempo  
Method

Batch No.: 20640

DOM: July 2017

**7.3.6**  
Method M-L-AA-4  
**Drying Time**  
When tested in accordance with FTMS 141 method 4061, the material shall have the following curing characteristics at 75 ± 5°F (24 ± 3°C) and 50 ± 5% relative humidity:  
a) Tack Free: 4 hours maximum  
b) Dry Through: 8 hours maximum

Pass/Fail  
Value

**Result:** Passed

**7.3.9**  
Method M-L-AA-1  
**Adhesion wet tape**  
When tested in accordance with 7.4.3.4 there shall be no loss of adhesion (i.e. no removal of the primer, rating 5B per ASTM D3359) and no blistering, wrinkling or other film defects.

Alphanumeric  
Value

**Result:** PASS Passed  
**Target:** 5B

**7.3.12**  
Method M-L-AA-7  
**Fluid resistance**  
When tested in accordance with 7.4.3.7 there shall be no blistering, wrinkling or other film defects except slight discoloration. In addition, there shall be no loss of adhesion of the primer (i.e. no removal of the primer, rating 5B per ASTM D3359), and the pencil hardness shall not be less than HB after observing the recovery period, as described in Section 7.4.3.7.

Alphanumeric  
Value

**Result:** PASS Passed  
**Target:** 5B hardness, >=HB hardness

**7.3.11**  
Method M-L-AA-10  
**Impact resistance**  
When tested in accordance with 7.4.3.6, the primer shall not show any film defects or adhesion failures when impacted by 50 inch pounds on the forward side and 30 inch pounds on the reverse side.

Pass/Fail  
Value

**Result:** Passed

BOM Part: **4500-C-23**

Batch:20339

QSHIP 8 GC

**HARDENER: Epoxy**

Spec Ref. / Tempo  
Method

Batch No.: 20339

DOM: May 2017

-  
Method M-L-AA-3-c  
**Condition in container**  
The catalyst component shall be clear and clean.

Pass/Fail  
Value

**Result:** Passed

**3.1.3**  
Method M-L-AC-03-c  
**Condition in container**  
The catalyst component shall be clear and clean.

Pass/Fail  
Value

**Result:** Passed

**7.2.7**  
Method M-L-AA-18  
**Weight per gallon**  
When tested according to ASTM D1475, the weight per gallon of the base component and the hardener shall not vary more than ± 0.20 lbs/gal from the value established by the supplier in the qualification report.

Numeric Value

**Result:** 7.27 Passed  
**Range:** 7.08 to 7.48

-  
Method M-L-AA/AC-12  
**Non volatile content**  
No more than ± 2 percent from the theoretical value

Numeric Value

**Result:** 20.38 Passed  
**Range:** 20.00 to 21.50

\*\*\* END OF TEST REPORT\*\*\*

Thank you for choosing Tempo Aerospace!

PT: 40480

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